

179/01406 A03

## IN THE CLAIMS

Claim 31 is amended and claim 32 is cancelled.

545  
71

1. (Previously Amended) A device for displaying an image with an illusion of depth, comprising:

a first surface, having the image thereon at least part of which image is modulated by a first pattern of substantially transparent features of periodic nature having a substantially constant period; and

a second surface, having the image thereon at least part of which image is modulated by a second pattern of features of periodic nature having a substantially constant period;

wherein said first surface is intermediate an observer and said second surface;

wherein said period of said second pattern differs incrementally from the period of said first pattern;

wherein said period of at least part of at least one of said patterns has a variation;

wherein said first and second surfaces are spaced apart by a distance larger than the period of either of said first and second patterns; and

wherein said incremental difference in the periods of the patterns, said spacing between the first and second surfaces, and said variation in the period are selected such that the interaction of said first and second patterns produces a Moire image exhibiting continuous three-dimensional visual effects.

2. (Original) A device for displaying an image with an illusion of depth according to claim 1 and wherein said features comprise a series of lines.

3. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein sections of said features are shifted horizontally with respect to each other in different horizontal bands of said patterns, to produce images with varying vertical detail.

4. (Previously Amended) A device for displaying an image with an illusion of depth

179/01406 A03

according to claim 1, wherein said features are arranged in a substantially vertical direction, and said variation of the period of at least part of at least one of said patterns takes place in a substantially horizontal direction.

5. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein the views of said Moire image as seen by each of an observer's two eyes are mutually displaced in such a way as to exhibit realistic three dimensional effects by means of the static parallax effect.

6. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein the appearance of said Moire image changes with change in the position of a viewer in such a way as to exhibit realistic three dimensional effects by means of the motion parallax effect.

7. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein the size of said features changes with the apparent depth in such a way as to comply with the mind's perception that distant objects appear to have narrower details and close objects have wider details.

8. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein the size of said features changes with the apparent depth in such a way as to comply with the geometric perspective effects that features on a tilted surface appear narrower than those on a flat surface by approximately the cosine of the tilt angle.

9. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein the brightness of features of said Moire image changes with the apparent depth in such a way as to comply with the shading effect or any other desired lighting effect.

10. (Original) A device for displaying an image with an illusion of depth according to

179/01406 A03

claim 1 and which can be viewed by the observer's naked eye without the need for any special viewing aids such as special spectacles.

11. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said second surface is transparent.

12. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said second surface is translucent.

13. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said second surface is opaque.

14. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said spacing of said surfaces is between 5 and 100 times said pattern period.

15. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein both of said surfaces are printed with patterns of the same color.

16. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein both of said surfaces are printed with patterns of different color.

17. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said second surface background color is different from that of any of the other said printed patterns.

18. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said two surfaces are disposed on the opposite sides of a transparent plate.

179/01406 A03

19. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said first surface is disposed on one side of a transparent plate, and said second surface is a thin printed layer disposed close to the second side of said plate.
20. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein both first and second said surfaces are thin printed layers disposed on both sides of a plate.
21. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said first surface is disposed on one side of a transparent plate, said second surface is disposed on one side of another plate, said plates being disposed at a fixed distance from each other such that said surfaces are spaced from each other by a predetermined distance.
22. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein at least one of said first and second surfaces is constructed of wire netting.
23. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein at least one of said first and second surfaces is thin and flexible such that it can be rolled on a cylinder.
24. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said device is illuminated from the rear.
25. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said device is illuminated from the front.
26. (Previously Amended) A device for displaying an image with an illusion of depth

179/01406 A03

according to claim 1 and wherein said device is illuminated from at least one of its edges.

27. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said device is constructed and operative for large area use.

28. (Previously Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said device is constructed and operative for small area use in credit cards.

29. (Previously Amended) A device for displaying an image with an illusion of depth, comprising:

*Cont*  
first and second surfaces, first one of which is transparent, each having at least part of its surface printed with the image and wherein the image on each surface is modulated by a predetermined pattern of substantially periodic features;

said surfaces being spaced apart by a distance considerably larger than the period of said features; and

the spacing of said surfaces being varied in a predetermined manner such that the interaction of said two patterns produces a Moire image exhibiting continuous three dimensional visual effects when viewed from said first surface side of the device.

30. (Previously Added) A device for displaying an image with an illusion of depth according to claim 1 and wherein said device is a billboard.

31. (Currently Amended) A device for displaying an image with an illusion of depth according to claim 1 and wherein said device is comprised in a credit card.

32. (Cancelled)